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(54) **SELF-OSCILLATING NOZZLE AND PULSE-JET CLEANING SYSTEM WITH THE SAME**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a pulse-jet cleaning device for filter with a self-oscillating nozzle, in which a tube sheet of the filter is provided with a filtration unit thereon, with a cleaning gas chamber above the tube sheet and a dust-containing gas chamber under the tube sheet; and the pulse-jet cleaning device includes an ejector and a back-flushing pipeline, with one end of the back-flushing pipeline connected to a back-flushing gas tank through a pulse back-flushing valve, the other end of the back-flushing pipeline being provided with a self-oscillating nozzle corresponding to the top portion of the ejector; and the self-oscillating nozzle includes a hollow cylindrical self-oscillating chamber, which has a gas inlet at an upper end connected to the back-flushing pipeline and a gas outlet at a lower end.

5 Claims, 7 Drawing Sheets

